

CHANNEL MONITORING AND IDENTIFICATION AND PERFORMANCE
MONITORING IN A FLEXIBLE HIGH SPEED SIGNAL PROCESSOR
ENGINE

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ABSTRACT

Systems and methods are disclosed to provide channel
monitoring and/or performance monitoring for a
communication channel. For example, in accordance with
10 an embodiment of the present invention, an equalizer is
disclosed that equalizes for channel distortions and also
provides channel and performance monitoring information,
such as for example bandwidth estimation, channel
identification, signal-to-noise ratio, chromatic
15 dispersion, and/or polarization-mode dispersion.